	Application No.	Applicant(s)	
Notice of Allowability	10/048,058	YAMANASHI, FUMINORI	
	Examiner	Art Unit	
	Dah-Wei D Yuan	1745	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is	in this application. If not includ nunication will be mailed in due	ed course. <b>THIS</b>
1. This communication is responsive to <u>5/27/04</u> .			
2. $\boxtimes$ The allowed claim(s) is/are <u>2-14</u> .			
3. $\boxtimes$ The drawings filed on $\underline{1/25/02,5/27/04}$ are accepted by the	Examiner.		
4. ☑ Acknowledgment is made of a claim for foreign priority ur a) ☑ All b) ☐ Some* c) ☐ None of the:		or (f).	
1. Certified copies of the priority documents have		on No	
<ul><li>2.  Certified copies of the priority documents have</li><li>3.  Copies of the certified copies of the priority doc</li></ul>			ation from the
International Bureau (PCT Rule 17.2(a)).	cuments have been receive	ed in triis national stage applica	mon nom me
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the re	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF
<ol> <li>CORRECTED DRAWINGS (as "replacement sheets") must</li> <li>(a) including changes required by the Notice of Draftspers</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1)</li> </ol>	on's Patent Drawing Revie Amendment / Comment on 84(c)) should be written on	or in the Office action of the drawings in the front (not the	e back) of
each sheet. Replacement sheet(s) should be labeled as such in the such as such in the deposit of and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT.	sit of BIOLOGICAL MAT	ERIAL must be submitted.	Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application (PT	O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	<u> </u>	Summary (PTO-413),	•
	Paper No	./Mail Date	
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date <u>01252002</u></li> </ol>	o <sub>j</sub> , r. <u>□ cxaminers</u>	s Amendment/Comment	
4.   Examiner's Comment Regarding Requirement for Deposit	· <del>-</del>	Statement of Reasons for Allo	owance
of Biological Material	9. 🗌 Other		

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## FUEL CELL FOR MOVING BODY AND CONROL METHOD THEREOF

Examiner: Yuan

S.N. 10/048,058

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July 16, 2004

## **Detailed Action**

- 1. The Applicant's amendment filed on May 27, 2004 was received. The specification and drawings were amended. Claim 1 was cancelled. Claims 2,7,13,14 were amended.
- 2. The text of those sections of Title 35, U.S.C. code not included in this action can be found in the prior Office Action issued on February 27, 2004.

## Claim Rejections

3. The claim rejections under 35 U.S.C. 103(a) as obvious over Motozono et al. and Benz et al. on claims 1,13,14 are withdrawn because the independent claims 1, 13,14 have been amended.

## Reasons for Allowance

4. Claims 2-14 are allowed. The invention of independent claim 2 recites a fuel cell system for a moving body comprising a reforming reactor, a carbon monoxide removing reactor, a fuel cell for generating electric power, a compressor for supplying the gas including oxygen, a running state detecting section, an accelerator opening detecting section, a control section that supplies the minimum hydrogen required for maintaining a temperature of the reforming reactor and the minimum gas including oxygen required for maintaining a temperature of the carbon monoxide removing reactor, a combustor for processing discharged reformed gas and discharged

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gas including oxygen, wherein the control section supplies minimum gas including oxygen required for maintaining a temperature of the combustor when it is judged that the moving body is running the accelerator is closed based on the information of the running state detecting section and the accelerator opening detecting section. The closest prior arts of record, Motozono et al. and Benz et al. do not teach or suggest the control section supplies minimum gas including oxygen required for maintaining a temperature of the combustor as recited in the claim. The invention of independent claim 13 recites a control method of a fuel cell system for a moving body comprising supplying fuel, water and gas including oxygen to a reforming reactor such that minimum hydrogen required for mainlining a temperature of the reforming reactor is generated, and minimum gas incusing oxygen required for maintaining a temperature of a carbon monoxide removing reactor is generated and supplying minimum gas including oxygen required for maintaining a temperature of a combustor when the moving body is running and the accelerator is closed. The closest prior arts of record, Motozono et al. and Benz et al. do not teach or suggest to supply minimum gas including oxygen required for maintaining a temperature of a combustor when the moving body is running and the accelerator is closed as stated in the claim. The invention of independent claim 14 recites a fuel cell system for a moving body comprising a reforming reactor, a carbon monoxide removing reactor, a fuel cell for generating electric power, a compressor for supplying the gas including oxygen, a running state detecting means, an accelerator opening detecting means, a control means that supplies the minimum hydrogen required for maintaining a temperature of the reforming reactor and the minimum gas including oxygen required for maintaining a temperature of the carbon monoxide removing reactor, a

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combustor for processing discharged reformed gas and discharged gas including oxygen, wherein the control section supplies minimum gas including oxygen required for maintaining a temperature of the combustor when it is judged that the moving body is running the accelerator is closed based on the information of the running state detecting section and the accelerator opening detecting section. The closest prior arts of record, Motozono et al. and Benz et al. do not teach or suggest the control means supplies minimum gas including oxygen required for maintaining a temperature of the combustor when the moving body is running and the accelerator is closed as recited in the claim.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (571) 272-1295. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dah-Wei D. Yuan July 16, 2004

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